

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 May 2001 (03.05.2001)

PCT

(10) International Publication Number
WO 01/31329 A1

(51) International Patent Classification⁷: **G01N 29/02**,
G01G 3/16, B08B 7/02, E21B 37/00; G01N 5/00. 33/28

[US/US]: 62 Old Hyde Road, Weston, CT 06883-1726
(US). JONES, Timothy, Gareth, John [GB/GB]: 16
Denmark Road, Cottenham, Cambridgeshire CB4 8QS
(GB).

(21) International Application Number: PCT/GB00/04129

(22) International Filing Date: 26 October 2000 (26.10.2000)

(74) Agent: WANG, William, L.; Schlumberger Cambridge
Research Limited, Intellectual Property Law Dept., High
Cross, Madingley Road, Cambridge CB3 0EL (GB).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9925373.4 27 October 1999 (27.10.1999) GB

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(71) Applicants (*for all designated States except US*):
SCHLUMBERGER HOLDINGS LIMITED [—/—];
P.O. Box 71, Craigmuir Chambers, Road Town, Tor-
tola (VG). **SCHLUMBERGER CANADA LIMITED**
[CA/CA]; 24th Floor, Monenco Place, 801 6th Avenue,
S.W., Calgary, Alberta T2P 3W2 (CA). **SERVICES**
PETROLIERS SCHLUMBERGER [FR/FR]; 42, rue
Saint Dominique, F-75007 Paris (FR).

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

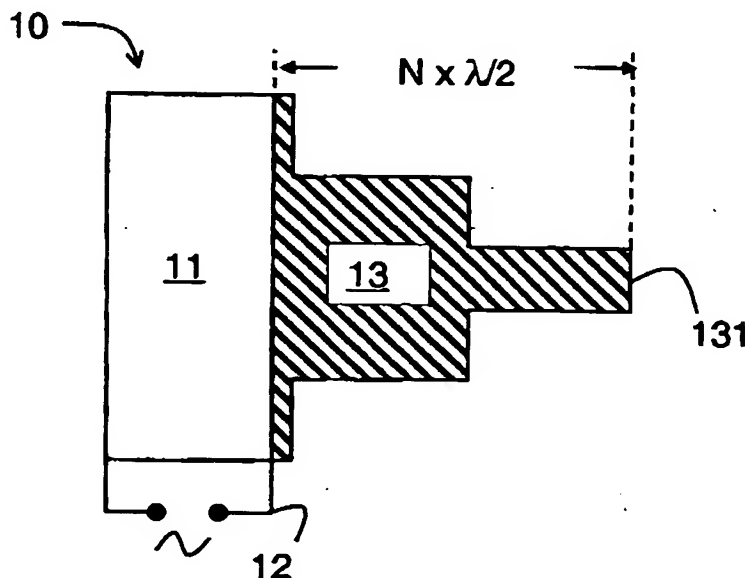
(75) Inventors/Applicants (*for US only*): COUET, Benoit

Published:

— With international search report.

[Continued on next page]

(54) Title: DEPOSITION MONITORING SYSTEM



(57) Abstract: Described is an apparatus for detecting and removing deposits from a surface exposed to wellbore fluids. The apparatus can monitor the rate of deposition and subsequently remove the deposited material. The combination of detection apparatus and removal apparatus provides an instrument with self-cleaning operation mode.